BRUHAT BANGALORE MAHANAGARA PALIKE

Vidyaranyapura ZONE

Name of Work: Estimate for Construction of Ranga Mandhira Building in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

			Estimate Cost Rs.						2000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.4/ PWD SR 2013-14**	Cum							
			1	26.00	25.00	0.20	130.00		
							130.00	223.66	**29076.00**
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix **M 7.5 withOPC** cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2,(P. No. 12 It No. 4.3 of PWD SR 2013-14)	**Cum**							
	for columns		4	1.50	1.50	0.15	1.35		
			1	26.00	25.00	0.15	97.50		
							98.85	4211.38	**416295.00**
	Basic Rate	3973.00							
	Area Weightage @ 6%	238.38							
	Total	**4211.38**							
3	KSRB 5.3-2 : Providing and **constructing granite / trap / basalt size stone masonry** in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.25 It No. 5.9) **with new stones**	**cum**							
			2	30.00	0.60	1.20	43.20		
							43.20	5208.84	**225022.00**
	Basic Rate	4914.00							
	Area Weightage @ 6%	294.84							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**5208.84**							
4	KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M 15 withOPC cement** @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2013-14	**Cum**							
	for SWD Drain vent		1	90.00	1.80	0.15	24.30		
							24.30	4690.50	**113979.00**
	Basic Rate	4425.00							
	Area Weightage @ 6%	265.50							
	Total	**4690.50**							
5	**Providing flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1 PWD SR 2013-14	**sqm**							
	SWD		2	90.00	1.60		288.00		
							288.00	78.44	**22591.00**
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							
6	**Providing and laying cement concrete** using 20mm and down size granite course aggregates and fine aggregates of **ready mixed concrete for R.C.C works** laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20(cement -320 Kg/Cum) Page No. 19/ Item No. 4.49.1/ PWD SR 2013-14	**Cum**							
	column footing		4	1.20	1.20	0.40	2.30		
			4	0.80	0.80	0.40	1.02		
	columns		4	0.30	0.30	4.40	1.58		
							4.91	6348.34	**31183.00**
	Basic Rate	5989.00							
	Area Weightage @ 6%	359.34							
	Total	**6348.34**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4.9.2:**Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 -do- for TMT Bars Fe 415 page No. 19/ Item No. 4.46/ PWD SR 2013-14	**qtl**							
			qty= lt no 7*1.10				5.40		
							5.40	7244.04	**39141.00**
	Basic Rate	**6834.00**							
	Area Weightage @ 6%	410.04							
	Total	7244.04							
8	KSRB 4-6.6 : **Providing and removing centering,** shuttering, strutting, propping etc., and removal of form work for **columns,** pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.33/ PWD SR 2013-14	**sqm**							
	column footing		22	4.80	0.40		42.24		
	columns		22	1.20	4.40		116.16		
							158.40	836.34	**132476.00**
	Basic Rate	789.00							
	Area Weightage @ 6%	47.34							
	Total	**836.34**							
9	KSRB 4-6.7 : **Providing and removing centering,** shuttering, strutting, propping etc., and removal of form work for sides and soffits of **beams**, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2013-14	**sqm**							
	beam		2	70.00	1.10		154.00		
	Plinth beam		4	70.00	0.15		42.00		
							196.00	239.56	**46954.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	239.56							
10	KSRB 4-6.11 : **Providing and removing centering**, shuttering, strutting, propping etc., and removal of form work **for stairs** (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.38/ PWD SR 2013-14	**sqm**							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Stair		**2**	**70.00**	**0.90**		126.00		
			8	70.00	0.45		252.00		
			4	70.00	0.60		168.00		
							546.00	460.04	**251182.00**
	Basic Rate	434.00							
	Area Weightage @ 6%	26.04							
	Total	460.04							
11	Fabricating supplying and erecting **M.S. TubulerTruss of span upto 10m** bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded togeher with 6mm gusset plate as per drawing, Nos CBS/SD/K-mantap/9/MND/97. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, etc, complete as per specification. Page No. 46/ I No. 7.30/ PWD SR 2013-14	**kgs**							
	100 mm dia pipes		24	3.50		84.00			
					wt	5.00	420.00		
	trusses		1	70.00		70.00			
					wt	15.00	1050.00		
			24	3.00		72.00			
					wt	15.00	1080.00		
	pipe 63 mm dia		1	70.00		70.00			
						3.50	245.00		
							2795.00		
	add 10 % for gusset plates etc						**279.50**		
							3074.50		
						say	3100.00	125.08	**387748.00**
	Basic Rate	118.00							
	Area Weightage @ 6%	7.08							
	Total	**125.08**							
12	Providing Meta color sheet roofing with J or L hooks, bolts and nuts 8mm dia C.I plain and bitumen washers over the existing purlins, rafters and trusses includeing cost of materials, labour, complete as per specifications.	**sqm**							
			1	70.00	3.37		**235.90**	1200.00	**283080.00**
13	**Sub Total**								**1978727.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	QC Charges @ 1%								19787.00
15	Miscellaneous and unforeseen charges							L.s	1486.00
							Total		2000000.00
	(Rupees Twenty Lakhs Only)								

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura sub Division
BBMP, Bangalore

Executive Engineer
Byatarayanpura Division
BBMP, Bangalore

Administrative Sanction for Rs.
Administrative Approval
Accorded for Rs "20.00" lakhs
is accorded under head
P-3055
registered as CE No. 75 Dt: 29.10.14
to Conditions contained in enclosed memo
No. ... / ... Dt. ...

AE/JE TA SE (BTP) CE (BTP)

Technical Sanction for Rs. 20.00 Lakh
Twenty lakhs only
172/14-15.
registered as
Conditions
TS/EE/172/14-15 29-10-14

AE/JE
EE (BTP Div.)

152 - BYATARAYANAPURA AC
WARD NAME : 10 - DODDA BOMMASANDRA

Jadhav
AE

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ಯಲಹಂಕ ಮಲಯ,
ಬೃ ಬೆಂ. ಮ. ಪಾ. ಬೆಂಗಳೂರು-97